

Mattia D'Urso

mattiadurso98@gmail.com

github.com/mattiadurso
Main languages: Python, R

Education

Oct 2020 - **Master of Science in Artificial Intelligence and Cybersecurity**,
Oct 2022 University of Studies of Udine (Italy).
GPA: 29.2/30

Oct 2020 - **Master of Science in Artificial Intelligence and Cybersecurity**,
Oct 2022 Alpen-Adria-Universität Klagenfurt (Austria).

Oct 2017 - **Bachelor of Science in Internet of Things, Big Data and Web**,
Oct 2020 University of Studies of Udine (Italy).
○ **Bachelor Thesis:** "*Classification of web users by shallow inspection of packets and Deep Learning techniques*"

Experiences

Mar 2021 – **Research**, Artificial Vision and Real-Time Systems (AViReS) Lab, under supervision of Prof. Gian Luca Foresti and in collaboration with the European Defence Agency (EDA), the European Union, the Italian Ministry for the University and Research (MIUR), the Italian Ministry for Defence (MoD).
• Develop a deep learning model for autonomous flight with drones using computer vision.

Jul 2020 – **Research**, University of Studies of Udine, under supervision of Prof. Claudio Piciarelli.
Sep 2020 • Optimized our supervised deep learning model for classification of web users on a dataset of 6M+ of TCP/IP packets.
• Increased the accuracy of the model by 42% by hyperparameters fine tuning.

Skills

- **Languages:** Python, R, L^AT_EX
- **Libraries:** Pytorch, NumPy, dplyr, tidyverse, ggplot2

Research Interests

- **Computer Vision**
- **Deep Learning**

Leadership and Awards

Oct 2018 - **Student representative**, report to the Board of department and solved dozens of students problems of any kind.
Oct 2021
Jan 2018 - **Professional photographer**, worked independently and as a team in weddings, events with Michelin star in the area and others.
Today